

ABSTRACT OF THE DISCLOSURE

A timing belt comprising a wave glide surface having a side view substantially similar to a sinusoidal curve. The wave glide surface of the belt is provided for adjusting the coefficient of friction between the belt and a slider bed which is used for providing structure and integrity to the belt. Additionally, reservoirs and channels may be provided on the wave glide surface so as to house and disburse an agent thus enabling further increasing or decreasing of the coefficient of friction between the belt and the slider bed. To provide lateral guidance of the belt, a tracking guide may be provided so as to engage grooves on the periphery of pulleys. Furthermore, a plurality of teeth may be provided on the belt so as to aid in a multiple of functions during operation of the belt.